

Title (en)  
RADIOPAQUE COATING FOR BIOMEDICAL DEVICES

Title (de)  
STRAHLENDICHTE BESCHICHTUNG FÜR BIOMEDIZINISCHE VORRICHTUNGEN

Title (fr)  
REVETEMENT RADIOPAQUE POUR DISPOSITIFS BIOMEDICAUX

Publication  
**EP 1706068 A4 20081015 (EN)**

Application  
**EP 05705865 A 20050121**

Priority  
• US 2005001572 W 20050121  
• US 53874904 P 20040122

Abstract (en)  
[origin: US2005165472A1] A medical device has a radiopaque coating that can withstand the high strains inherent in the use of such devices without delamination. A coating of Ta is applied to a medical device, such as a stent, by vapor deposition so that the thermomechanical properties of the stent are not adversely affected.

IPC 8 full level  
**C23C 14/16** (2006.01); **A61L 31/08** (2006.01); **A61L 31/18** (2006.01); **B22F 7/00** (2006.01); **B22F 7/02** (2006.01); **C23C 14/02** (2006.01); **C23C 30/00** (2006.01); **A61F 2/86** (2013.01)

CPC (source: EP US)  
**A61L 31/088** (2013.01 - EP US); **A61L 31/18** (2013.01 - EP US); **C23C 14/021** (2013.01 - EP US); **C23C 14/165** (2013.01 - EP US); **C23C 30/00** (2013.01 - EP US); **A61F 2/86** (2013.01 - EP US); **A61M 2025/09108** (2013.01 - EP US)

Citation (search report)  
• [X] US 6638301 B1 20031028 - CHANDRASEKARAN VERIVADA [US], et al  
• [PX] CHENG Y ET AL: "Surface characterization and immersion tests of TiNi alloy coated with Ta", SURFACE AND COATINGS TECHNOLOGY, ELSEVIER, AMSTERDAM, NL, vol. 190, no. 2-3, 8 June 2004 (2004-06-08), pages 428 - 433, XP004653629, ISSN: 0257-8972  
• See references of WO 2005072189A2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**US 2005165472 A1 20050728**; CA 2553693 A1 20050811; EP 1706068 A2 20061004; EP 1706068 A4 20081015; JP 2007518528 A 20070712; WO 2005072189 A2 20050811; WO 2005072189 A3 20061130

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**US 4043305 A 20050121**; CA 2553693 A 20050121; EP 05705865 A 20050121; JP 2006551204 A 20050121; US 2005001572 W 20050121